

ABSTRACT OF THE DISCLOSURE

A system and method for establishing a secure execution environment for a software process analyzes system application program interface (API) calls to determine whether the system API call executes a new program. If the system API call executes a new program, the system and method of the invention analyze the call to determine whether an execution environment, in the form of a plurality of attributes, is attached to an executable program file associated with the new program. An execution environment contains security attributes that are to be associated with the resulting process invoked by execution of the new program. If an execution environment is attached, the invention assigns the attributes of the execution environment to the new process, thereby ensuring that the new process includes the security features and capabilities specified in the execution environment.